

Fig. 2

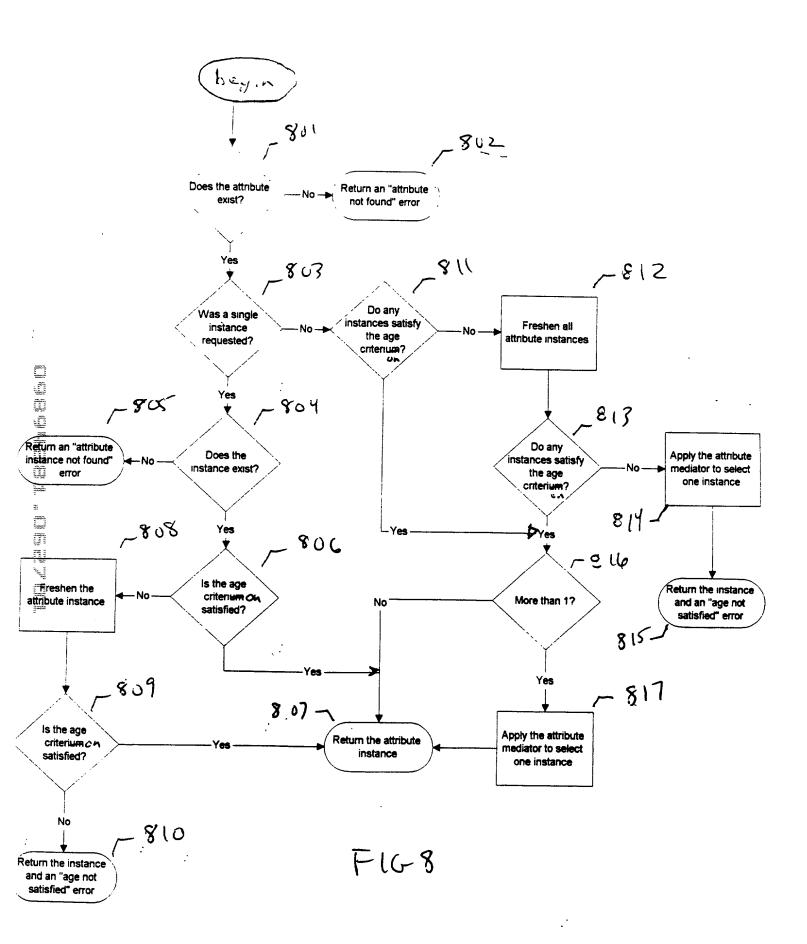
7330 335 athbook F193 L. Ca. Hon 385 e Courtin みれてらった (location-CONCIEXE المالم المالم 133 in region aftrison -340 17E1 ckifut (alstona-fourtous) していいいい 450,000 300. 3007

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request handler				17/5			ļ	table	Jo	ents	gu							
	וורכו	nce)	nce)	J				attribute instance table	number of	context clients	consuming	2		2				0
(reference) (reference)	refere (refere	(refere		44				attr	units			degrees/minutes		degrees/minutes		meters		none
gps.exe ips.exe 1 r a.exe	.의		(3						timestamp			23	2/22/2000	13:11:01.118	2/22/2000	13:11:01.118	2/22/2000	none
2/10/2000 2/11/2000 2/10/2000 C 4 FIG 4	IG 4	IG 4	_	FIG 4					uncertainty			,60°,0		0°.021'		S.		none
212 212 211 211 211			L412						value			47° 38.73' N,	122° 18.43' W	47° 38.745' N,	122° 18.424' W	22		none
alysis 1	1	alysis 1	. 11 h -						context server	name		gps		ips	•	ips	•	location_region_
ips location region analysis	location region an	location region an	•	•	•				attribute name			user location	•	user location		user elevation		user.in_region
45.				L	L	L	_	_					SQZ	•	778	1,	Ser	è

			1600
	context client name	message handler	
()00)	location map	(reference)	
500	distance from home	(reference)	
	region analysis	(reference)	
ر و		7,9 1	
	FIG 6		

177		7,7	アンバス		, i	L711
	none	none	none	none	location_region_analysis	user.in_region
		2/22/2000				
_	meters	13:11:01.118	5.	22	ips	user elevation
	1	2/22/2000		122° 18.424' W		70/
2	degrees/minutes	13:11:01.118	0°.021'	47° 38.745' N,	ips	user.location
		2/22/2000		122° 18.43' W		
2	degrees/minutes	13:11:04.023	.60° 0	47° 38.73' N,	gps	user.location
consuming						
context clients					name	
IO IOGIUNII		timestamp	uncertainty	value	context server	attribute name



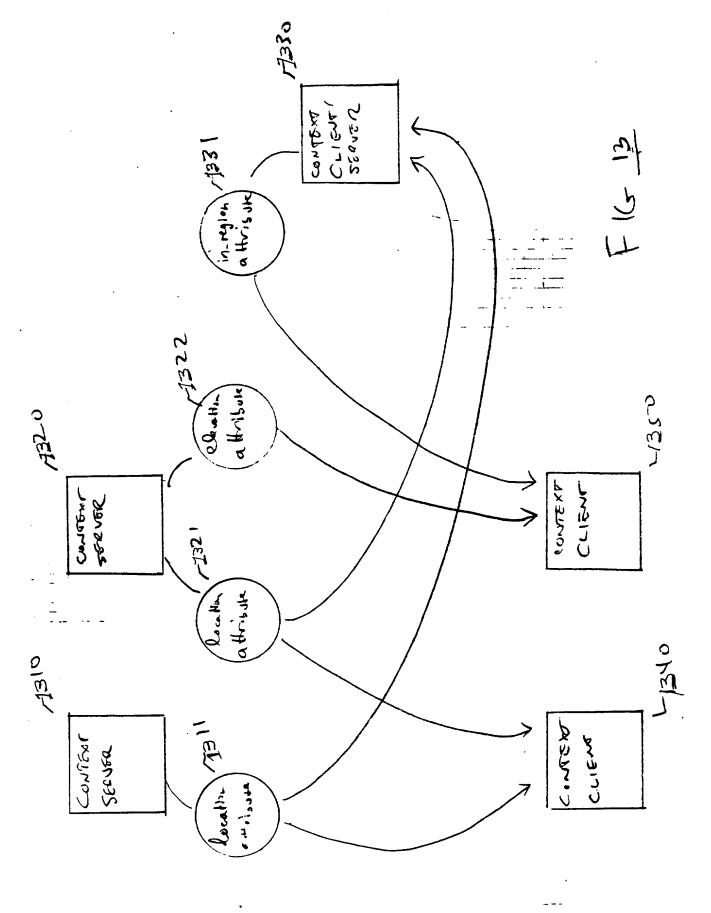
[8]	ال الم	267 7	٤ ٢٩١٩	ره	(16)	7
	none	none	none	none	region analysis	user in region
•	meters	13:11:06.565 2/22/2000	· S	22.25	sdi	ușer.elevation
	degrees/minutes 2	13:11:01.118	0°.021'	47° 38.745' N, 122° 18.424' W	sdi	user location
	degrees/minutes 2	13:11:04.023 2/22/2000	.60°.09	47° 38.73' N, 122° 18.43' W	sds	user.location
number of context clients consuming	units	timestamp	uncertainty	value	context server name	attribute name
attribute instance table	attribu	!				

						,	1000
						condition table	
	condition name	context client name	first logical	second logical	comparison value	logical operator	
			parameter	parameter			
100	Oot in region true	region analysis	user in region	none	TRUE	11	
<u>}</u>	101	21017 110	2 \ FIG 10	10 - 1014	1 615	7 (618	

0011			
condition monitor table	stopped	no	≈ ∃ ∫
conditie	condition last trigger handler evaluated reference	(reference)	111c 1117
	condition last evaluated	13:11:29.101 (reference)	
	frequency	30	と言うころ
-	· behavior	TRUE or	13 FIG 11
	condition	monitor name name name region analysi in region true TRUE or	L 1112 L 1113
	context client	name region_analysi	S
	condition	monitor name region bounda	ry crossed
		•	<i>[</i>

condition context client condition behaving mame name name region analysi in region true FALSE ry crossed s FALSE

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attribute request table

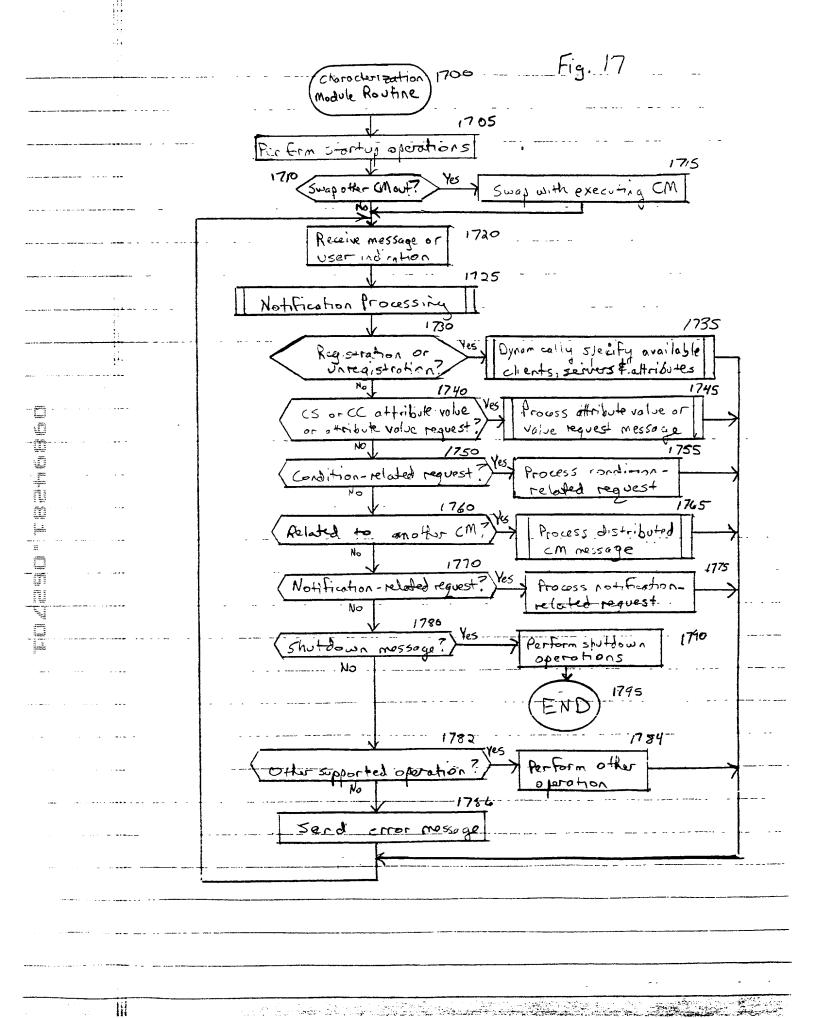
attribute name	context client name
user.location	distance_from_home
user.in_region	location_map
user.location [gps]	location_region_analysis
user.elevation	location_map
	7
- 1411	Figure 14 /4/2

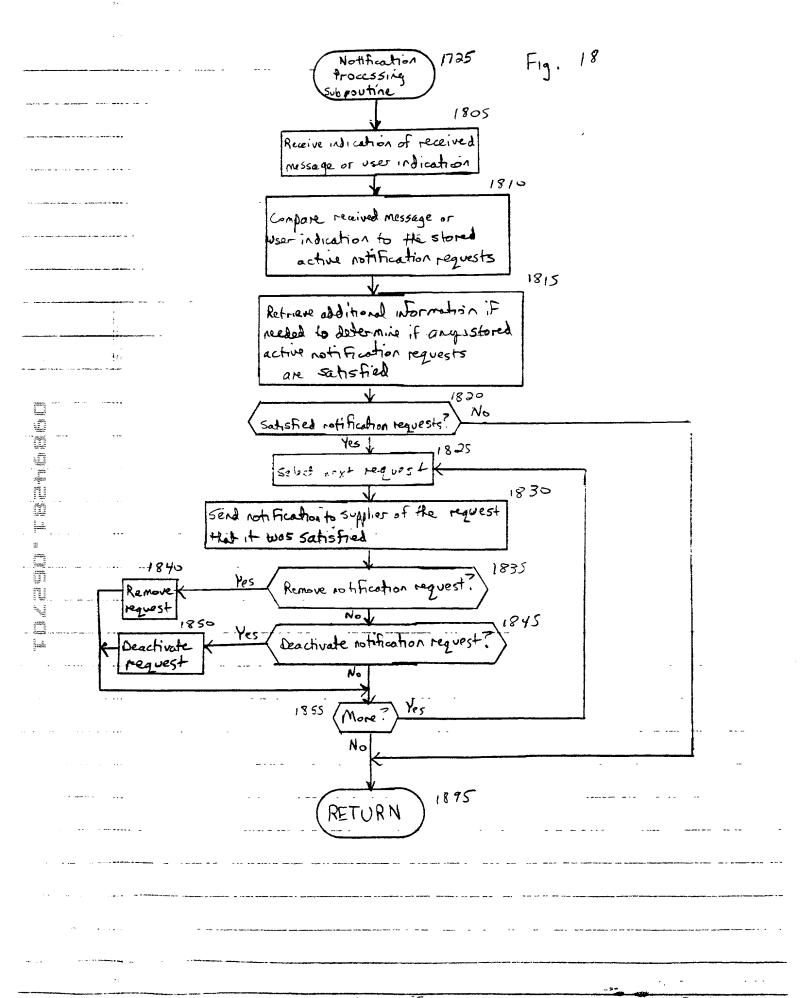
User.	Platform. (continued)
Desired_privacy_level	CPU.
Interruptibility	Load Fig. 15
Speed	Spring 5
Direction	Memory.
Acceleration	Total_capacity
Availability.	Used
Cognitive_availability	Storage.
Tactile_availability	Total_capacity
Manual_availability	Used
Visual_availability	Connectivity.
Oral_availability	Connection_status
Auditory_availability	Connection_speed
Proximity. <item name="" or="" place=""></item>	Connection_type/device
Mood.	Connection_activity
Happiness	Power.
Sadness	Power_source
Anger	Power_level Environment.
Frustration	
Confusion	People.
Activity.	Nearest
Driving	Number_present Number close
Eating	Local.
Running	Time
Sleeping	Date
Talking	Temperature
Typing	Pressure
Walking Location.	Wind speed
	Wind_direction
Place_name Latitude	Absolute humidity
Lantide Longitude	High forecast temperature
Altitude	Low forecast_temperature
Room	People present
Floor	Ambient noise level
Building	Ambient light level
Address	Days. <pre>previous or future>.</pre>
Street	High_temperature
City	Low_temperature
County	Precipitation_type
State	Precipitation_amount
Country	Place. < place name >. (same as Environment. Local)
Postal_Code	Application.
Destination. (same as User.Location.)	Mail.
Physiology.	Available
Pulse	New_messages_waiting
Body_temperature	Messages_waiting_to_be_sent
Blood_pressure	Phone.
Respiration	Available
Person. <name id="" or="">. (same as User.)</name>	In_use
Platform.	On/off
UI.	Notification_mechanism
Oral_input_device_availability	Call_incoming
Manual_input_device_availability	Caller_ID
Tactile_output_device_availability	Sound_recorder. Available
Visual output device availability	Recording
Auditory_output_device_availability	veroining

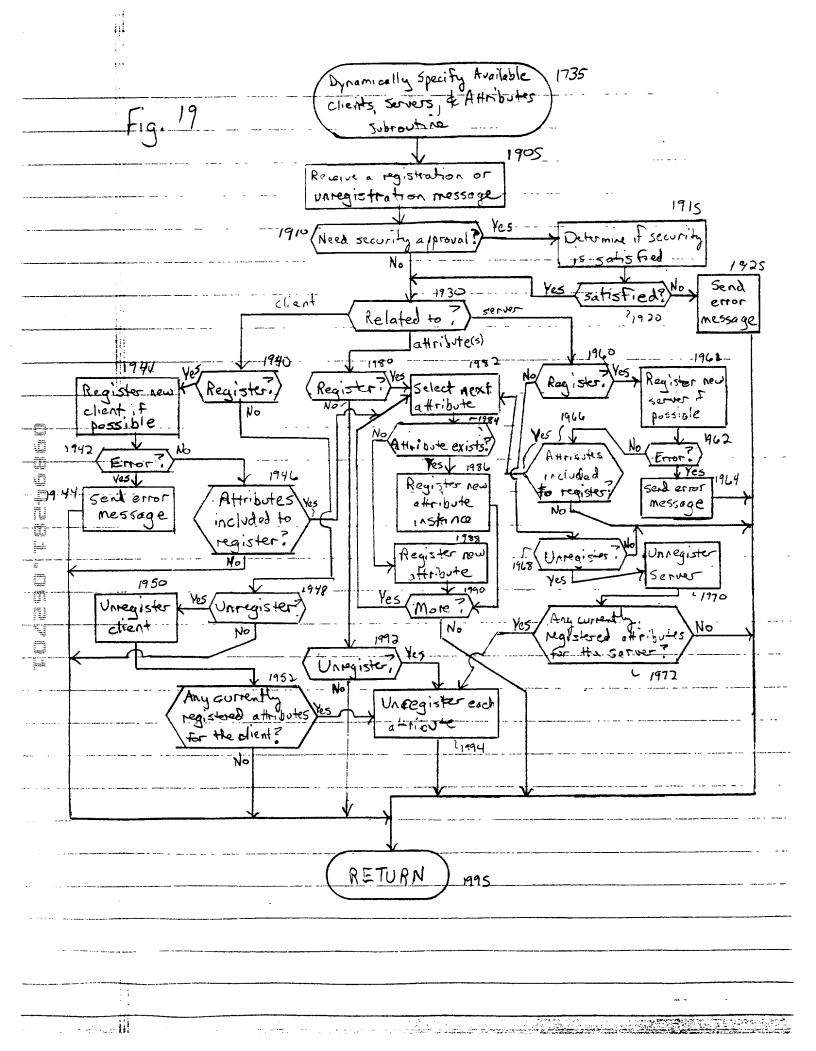
- 1) User Setting
 - a) Mental Context
 - i) Meaning
 - ii) Cognition
 - (1) Divided User Attention
 - (2) Task Switching
 - (3) Background Awareness
 - iii) Solitude
 - iv) Privacy
 - (1) Desired Privacy
 - (2) Perceived Privacy
 - v) Social Context
 - vi) Affect
 - b) Physical Situation
 - i) Body
 - (1) Biometrics
 - (2) Posture
 - (3) Motion
 - (4) Physical Encumberment
 - (a) Senses
 - (i) Eyes
 - (ii) Ears
 - (iii) Tactile
 - (iv) Hands
 - (v) Nose
 - (vi) Tongue
 - (b) Workload demands/effects
 - (c) Interaction with computer devices
 - (d) Interaction with people
 - (e) Physical Health
 - ii) Environment
 - (1) Time/Space
 - (2) Objects
 - (3) Persons
 - (a) Audience/Privacy Availability
 - (i) Scope of Disclosure
 - (ii) Hardware affinity for privacy
 - (iii) Privacy Indicator for User
 - (iv) Privacy Indicator for Public
 - (v) Watching Indicator
 - (vi) Being Observed Indicator
 - (4) Ambient Interference
 - (a) Visual
 - (b) Audio
 - (c) Tactile

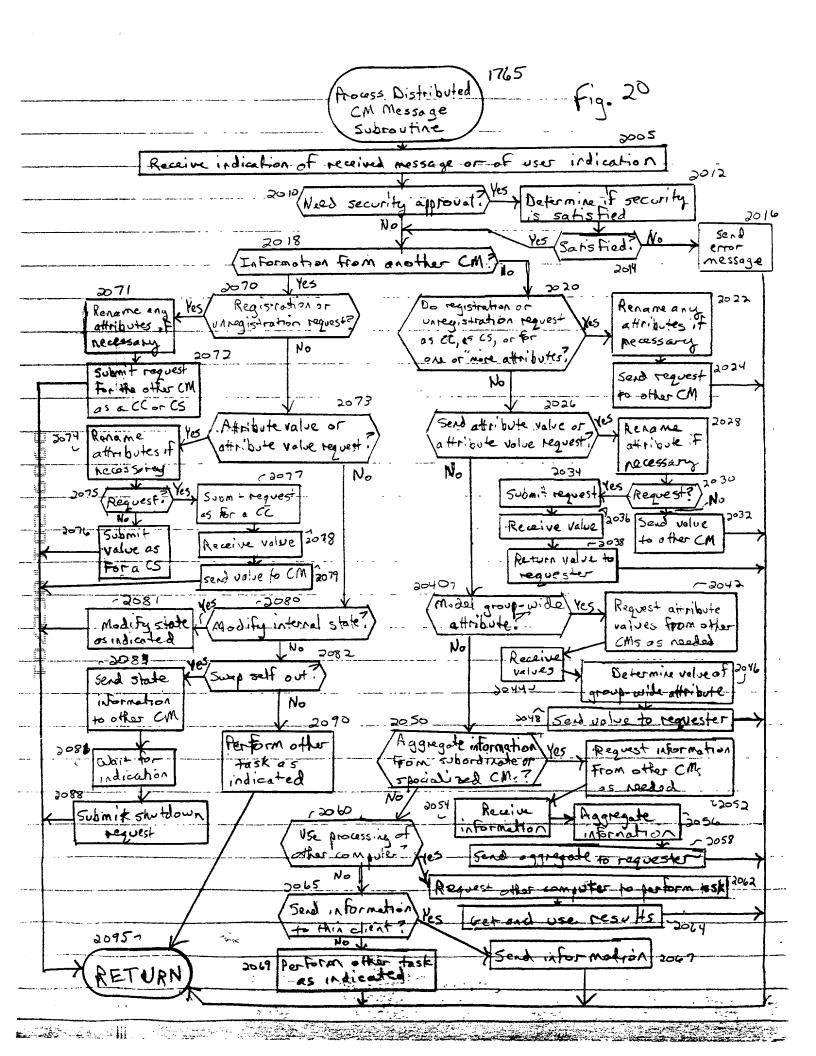
- 2) Computer
 - a) Power
 - b) Configuration
 - i) User Input Systems
 - (1) Hand/Haptic
 - (a) Keyboard/Keystrokes
 - (2) Voice/Audio
 - (3) Eye Tracking
 - (4) Cursors
 - (a) Axis
 - (b) Resolution
 - (i) Selection
 - (ii) Invocation
 - (c) Accelerators
 - ii) Output Systems
 - (1) Visual
 - (a) Resolution
 - (2) Audio
 - (a) Public/Private
 - (3) Haptic
 - iii) External Resources
 - (1) I/O devices
 - (2) Connectivity
 - c) Data
 - i) Quantity/State
 - ii) Urgency/Importance
 - (1) Use of Prominence
 - iii) Modality
 - iv) Sensitivity/Purpose
 - (1) Privacy Issues
 - (2) Use of Association
 - (3) Use of Safety
 - v) Source/Ownership
 - (1) Types
 - (a) User generated
 - (b) Other computers or people
 - (c) Sensor
 - (d) PC State
 - (2) Use of Association

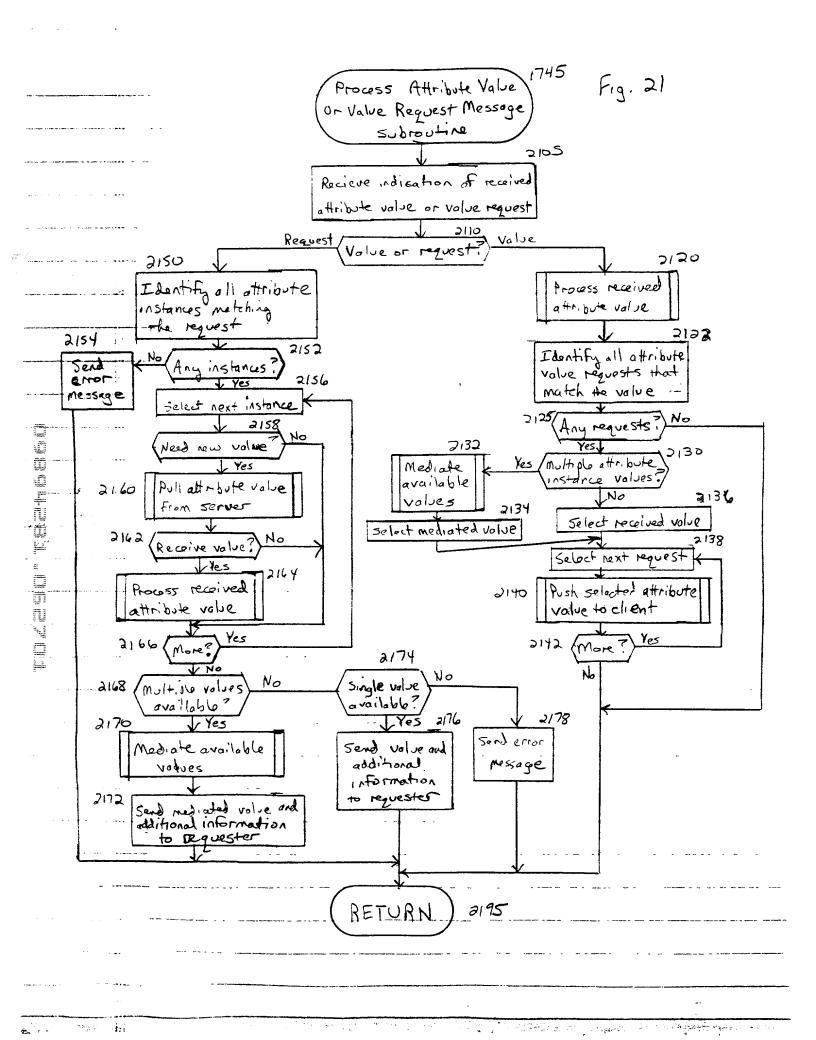
Fig. 16

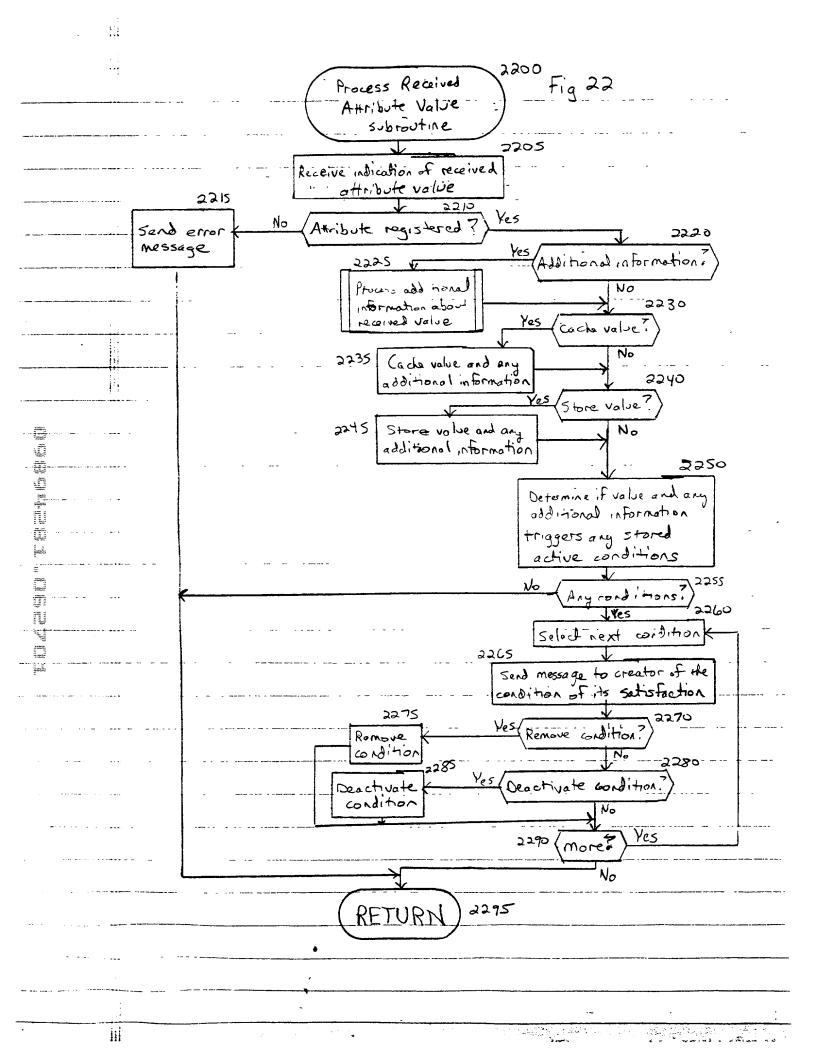


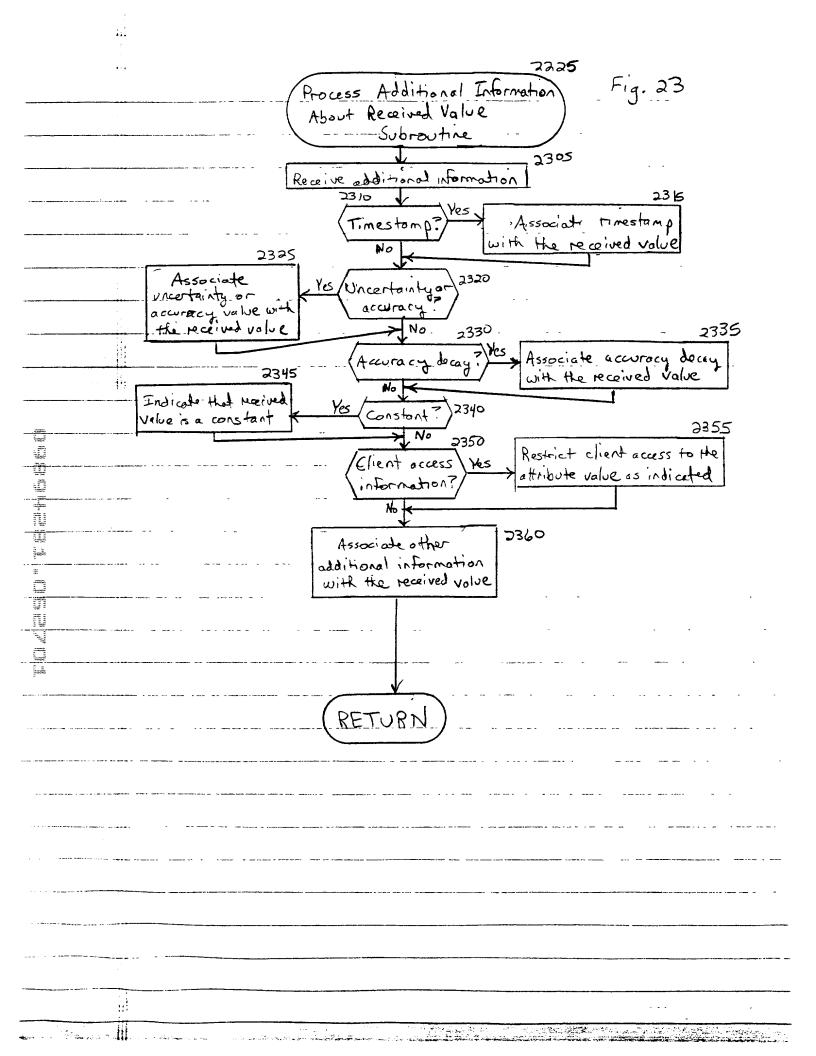


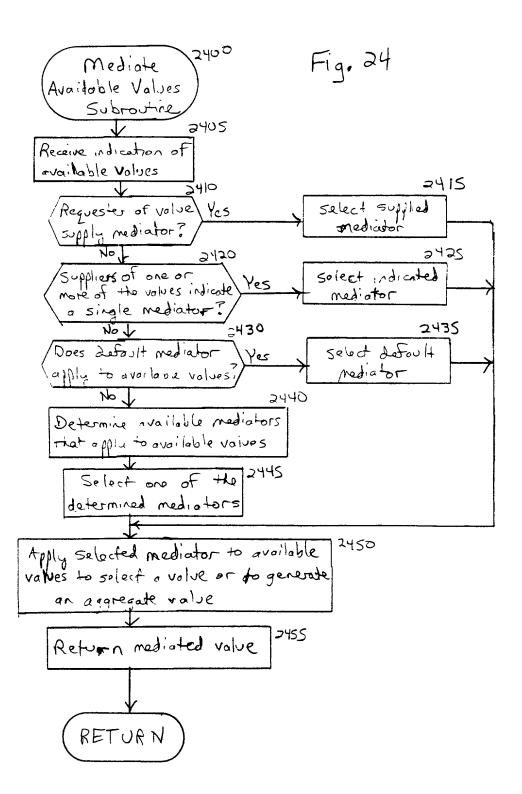












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